



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



Sub: Physical Science

Class: 8

Date: 12.04.21

Duration: 40 min

Worksheet Solution 25

Full Marks: 15

Atomic Structure

Choose the Correct options:

- What is the number of neutrons in ${}^9_4\text{Be}$?
a. 4 **b. 5** c. 9 d. None of these
- What is the number of protons in ${}^9_4\text{Be}$?
a. 4 b. 5 c. 9 d. None of these
- What is the number of electrons in ${}^9_4\text{Be}$?
a. 4 b. 5 c. 9 d. None of these
- What is the number of neutrons in ${}^{19}_9\text{F}^-$?
a. 19 **b. 10** c. 9 d. None of these
- What is the number of protons in ${}^{19}_9\text{F}^-$?
a. 19 b. 10 **c. 9** d. None of these
- What is the number of electrons in ${}^{19}_9\text{F}^-$?
a. 19 **b. 10** c. 9 d. None of these
- What is the number of neutrons in ${}^{23}_{11}\text{Na}^+$?
a. 11 **b. 12** c. 23 d. None of these
- What is the number of protons in ${}^{23}_{11}\text{Na}^+$?
a. 11 b. 12 c. 23 d. None of these
- What is the number of neutrons in ${}^{23}_{11}\text{Na}^+$?
a. 10 11 b. 12 c. None of these
- What is the number of protons in ${}^{40}_{18}\text{Ar}$?
a. 18 b. 22 c. 40 d. None of these
- What is the number of electrons in ${}^{40}_{18}\text{Ar}$?
a. 18 b. 22 c. 40 d. None of these
- What is the number of neutrons in ${}^{40}_{18}\text{Ar}$?
a. 18 **b. 22** c. 40 d. None of these
- What is the number of neutrons in ${}^{56}_{26}\text{Fe}^{+++}$?
a. 26 **b. 30** c. 56 d. None of these
- What is the number of protons in ${}^{56}_{26}\text{Fe}^{+++}$?
a. 56 b. 30 **c. 26** d. None of these
- What is the number of electrons in ${}^{56}_{26}\text{Fe}^{+++}$?
a. 23 b. 26 c. 29 d. None of these